

Z
6334
U5U5

A
A
0
0
0
4
8
6
4
5
5
9



THE NATIONAL ARCHIVAL LIBRARY FACILITY

U.S. Library of Congress

Select List of Books with References to
Periodicals Relating to Iron and Steel in
Commerce



THE LIBRARY
OF
THE UNIVERSITY
OF CALIFORNIA
LOS ANGELES

LIBRARY OF CONGRESS

SELECT LIST OF BOOKS

WITH REFERENCES TO PERIODICALS

RELATING TO

IRON AND STEEL IN COMMERCE

COMPILED UNDER THE DIRECTION OF

APPLETON PRENTISS CLARK GRIFFIN

Chief Bibliographer

UNIV. OF CALIFORNIA
SOUTHERN BRANCH

WASHINGTON

GOVERNMENT PRINTING OFFICE

1907

112854

L. C. card, 7-35003

ABSTRACT TO VNU
HOMAGE INVENTUOS

PREFATORY NOTE

This list has been prepared in response to requests received from time to time. It has hitherto been distributed in typewritten form, but to meet demands it is now reduced to print. It is in no sense exhaustive, even of the resources of the Library, but is intended to serve as a ready-to-hand guide to accessible material.

Current statistical publications, etc.—The "Statistical abstract of the United Kingdom" gives tabulated statistics of the imports and exports of iron and steel, giving quantities and declared values, also the quantities and value of pig iron purchased in the United Kingdom. The "Accounts relating to trade and navigation of the United Kingdom," published annually, give the quantities and value of specific manufactures of iron and steel, with statement of the exports to the different countries. The "Accounts relating to the trade and commerce of certain foreign countries and British possessions" show quantities and value of iron and steel exports and imports of the principal countries of the world. These are all publications of the British board of trade, and are issued as Parliamentary documents.

Annual publications dealing exclusively with statistics of iron and steel: American iron and steel association: British iron trade association. *See also* Periodicals noted below.

The statistics of production and manufactures and exports of iron and steel for Germany are given in tabular form in the "Statistisches Jahrbuch für das Deutsche Reichs." This work also contains quotations of prices of pig iron. More detailed statistics of exports and imports are given in the "Vierteljahrshefte zur Statistik des Deutschen Reichs" and in "Statistik des Deutschen Reichs: Auswärtiger Handel: Der Verkehr mit den einzelnen Ländern" (annual), published by the Imperial statistical office.

Prices.—Current prices may be found among others in the "Iron Age," "Iron Trade Circular," "Iron and Coal Trades Review," "The Statist," "The Economist" (London). The import and export prices of iron and steel products are given in the "Statistical Abstract for the United Kingdom." The "Report of wholesale and retail prices in the United Kingdom," published by the Board of trade, 1903, gives "ascertained" prices of iron and steel products for some items covering the years 1854 to 1902; for

others, shorter periods in most cases going back to 1870. Another Board of trade report containing material relating to prices is "Tables showing for each of the years 1900-1905 the estimated value of imports into the United Kingdom, and exports from the United Kingdom of articles of British and Irish production at the prices prevailing in 1900."

German Steel Kartell, etc.—The "Commercial Intelligence," London, has printed at frequent intervals letters giving a survey of operations in iron and steel in Germany. Proceedings of the Iron and Steel Kartell in Germany are reported monthly in Conrad's "Jahrbücher für Nationalökonomie und Statistik," under "Kartellwesen." An extended investigation of this Iron and Steel Kartell was made under the direction of the German Interior Department and published in two volumes, entitled "Kontradiktorische Verhandlungen über deutsche Kartelle."

Periodicals.—The following periodicals, dealing principally with iron and steel, are received currently by the Library:

American Iron and Steel Association, Publications, Philadelphia; American Manufacturer and Iron World, Pittsburg; Bradstreet's, New York; Cassier's Magazine, New York; Colliery Guardian and Journal of the Coal and Iron Trades, London; The Foundry, a trade journal, Cleveland; Industries and Iron, a journal for the engineering, electrical, chemical, and metal trades, London; Industrial World, devoted to the metal, electrical, mining, and allied industries, Pittsburg; Iron Age, a review of hardware, iron, machinery, and metal trades, New York; Iron and Coal Trades Review, London; Iron and Machinery World, Chicago; Iron and Steel Institute Journal, London; Iron and Steel Trades Journal and Colliery Engineer, London; Iron Molders' Journal, Cincinnati; Iron Trade Review, Cleveland; Iron Trades Circular, Birmingham, England (ordered); The Ironmonger, London; Mines and Minerals, a mining and metallurgical journal, Scranton, Pa., and Denver; Pacific Coast Wood and Iron, San Francisco; Page's Weekly, London; Staffordshire Iron and Steel Institute, Proceedings, Brierley-Hill, England; Stahl und Eisen, Düsseldorf; The Statist, London; Verein deutscher Eisen- und Stahl-Industrieller, Berlin.

Bibliography.—Great Britain. Subject list of works on the mineral industries and allied sciences, in the library of the Patent office, London, 1903.

A. P. C. GRIFFIN
Chief Bibliographer

HERBERT PUTNAM

Librarian of Congress

Washington, D. C., March 12, 1907

LIST OF REFERENCES ON IRON AND STEEL, PRINCIPALLY AS REGARDS COMMERCE

American engineering competition; being a series of articles resulting from an investigation made by "The Times."
London.

New York and London: Harper & bros., 1901. viii, 139 pp. 8°.

American iron and steel association. Statistics of the American and foreign iron trades for 1904. Annual statistical report.

Philadelphia: The American iron and steel association, 1905. 8°.

The Library also has the reports for the following years: 1868, 1871, 1874-1877, 1879-1897, 1899-1904.

Baker, William Elliott Smith. The restoration of the ten per cent. reduction in the tariff. An argument, prepared by request for the Committee of finance of the United States Senate, the Committee of ways and means of the United States House of representatives.

[Philadelphia, 1874.] 10, (1) pp. 8°.

Caption title

Beck, Ludwig. Die Geschichte des Eisens in technischer und kulturgeschichtlicher Beziehung.

Braunschweig: F. Vieweg und Sohn, 1884-1903. 5 vols. Illustrations. Diagrams. 8°.

Bell, Sir Lowthian. The iron trade of the United Kingdom compared with that of the other chief iron-making nations.

London: British iron trade association, 1886. viii, 168 pp. 8°.

Blake, William Phipps. Report on iron and steel.

Washington: Government printing office, 1876. (2), iv, 311 pp. Illustrations. Plates. Folded plans. Diagrams. 8°. (U. S. Commission to the Vienna exhibition, 1873. Reports. 1875-76, vol. 4, E.)

Bridge, James Howard. The history of the Carnegie steel company; an inside review of its humble origin and impressive growth.

New York: The Aldine book company, 1903. (2), xv, 369 pp. Frontispiece. Illustrations. Plates. Portraits. 8°.

British iron trade association. American industrial conditions and competition: reports of the commissioners appointed by the British iron trade association, to enquire into the iron, steel, and allied industries of the United States. Ed. by J. Stephen Jeans.

London: The British iron trade association, 1902. xxvi, 590 pp. Illustrations. Folded plates. Folded maps. 4°.

—— Annual statistical report of the Secretary to the members of the British iron trade association on the home and foreign iron and steel industries. 1879-81, 1890, 1906.

London: E. & F. N. Spon, [etc.], 1880-1906. 5 vols. 8°.

Brough, Bennett H. ed. Notes on the progress of the home and foreign iron and steel industries.

(In Iron and steel institute. Journal, vol. 65, pp. 461-731. London, 1904. 8°.)

CONTENTS.—Iron ores; Refractory materials; Fuel; Production of pig iron; Production of malleable iron; Forge and mill machinery; Production of steel; Further treatment of iron and steel; Physical properties; Chemical properties; Chemical analysis; Statistics; United Kingdom; Australasia; Austria-Hungary; Belgium, Canada, China, France, Germany, Holland, India, Japan, Mexico, Norway, Portugal, Roumania, Russia, South America, Spain, Sweden, United States, Comparative statistics; Bibliography. (Jan.-June, 1904).

Campbell, Harry H. The manufacture and properties of iron and steel. 4th ed.

New York and London: Hill pub. co., 1907. xxi, 639 pp. Illustrations. Maps. 8°.

Carnegie, Andrew. The empire of business.

New York: Doubleday, Page & co., 1902. iv, 345 pp. Frontispiece (portrait) 8°.

Contains the following chapters: "Steel manufacture in the United States;" "Iron and steel at home and abroad."

Casson, Herbert N. Romance of steel: the story of a thousand millionaires and a graphic history of the billion-dollar steel trust.

New York: Barnes, 1907. 8°. Announced, April, 1907.

Chapman, Sydney John. Work and wages, in continuation of Lord Brassey's 'Work and wages' and 'Foreign work and English wages.' Pt. I. Foreign competition: with an introduction by Lord Brassey.

London, New York and Bombay: Longmans, Green, and co., 1904. xxxc, 301 pp. 8°.

The iron and steel industries, pp. 55-98.

[Crocker, Alvah.] Rejoinder to the reply of a committee appointed by the iron trade in Philadelphia. "to enforce upon Congress the necessity and propriety of continuing the duty upon railway iron," with the letters of Major-General Scott and others, to the Hon. George Evans . . . by the author of the first letter.

Washington, 1844. 32 pp. 8°.

Cover-title.

Farquhar, Arthur B. A steel trust episode. 7 pp.

(In *New England free trade league. Tariff-trust articles, 1900-1901. Boston, 1901. 8°.*)

Fawcett, Waldon. Center of the world of steel.

(In *La Follette, Robert M. ed. The making of America, vol. 6, pp. 165-176. Chicago, 1906. 8°.*)

Fleming, Robert. Depraved finance.

New York: The R. Fleming publishing co., [1904]. 235 pp. 12°.

"The Steel trust—how the plunder was extracted from steel," pp. 157-178.

Germany. *Eisen-Enquete-Kommission.* Protokolle über die Vernehmungen der Sachverständigen durch die Eisen-Enquete-Kommission.

[*Berlin: Gedruckt bei J. Sittenfeld, 1889?*] (4), 825 pp. *Folded plates. Folded diagrams. F.*

——— *Reichsamt des Innern.* Kontradiktorische Verhandlungen über deutsche Kartelle. Die vom Reichsamt des Innern angestellten Erhebungen über das inländische Kartellwesen in Protokollen und stenographischen Berichten. [3. und 4. Bd.] Eisen und Stahl.

Berlin: Franz Siemsenrath, 1904-1905. 2 vols. 8°.

CONTENTS. Vol. 1. Bericht über das Kartellwesen in der inländischen Eisenindustrie; Verhandlungen über die Rheinisch-Westfälischen Reheisensyndikate am 30. November und 1. Dezember 1903 im Reichstagsgebäude; Verhandlungen über den Hallzeng-Verband am 2. und 3. Dezember 1903 im Reichstagsgebäude; Verhandlungen über den Verband deutscher Drahtwalzwerke und den Verband deutscher Drahtstiftfabrikanten am 30. Juni 1904 im Reichstagsgebäude; Anlagen.

Vol. 2. Verhandlungen über den Weissblechverband am 19. Juni 1905 im Reichstagsgebäude zu Berlin; Anlagen: I. Materialien für die Verhandlungen; II. Vereinigung der Weissblech verarbeitenden Industriellen Deutschlands. Denkschrift zu den kontradiktorischen Verhandlungen; III. Weissblechkartell. Antlicher Fragebogen—Verhandlungen über die Stahlwerksverbände am 20. und 21. Juni 1905 im Reichstagsgebäude zu Berlin; Anlagen.

Gleed, Charles S. The steel trust and its makers.

(In La Follette, Robert M. *ed.* The making of America, vol. 6, pp. 157-164. Chicago, 1906. 8°.)

Gray, William G. The manufacture of iron and steel.

Washington, D. C.: [Government printing office], 1902. 97 pp. 4°. (*U. S. Census Bulletin*, no. 246.)

Contains a comparative summary, 1870 to 1900, of the iron and steel industry as a whole; The manufacture of pig iron; The manufacture of steel ingots and steel castings and of rolled iron and steel; The manufacture of iron blooms and hammered bar iron for sale.

——— *Same.*

(In United States. Twelfth census. Manufactures, Part IV. Special reports on selected industries, pp. 1-95. Washington, 1902. 4°.)

Great Britain. *Board of trade.* British and foreign trade and industry. Memoranda, statistical tables and charts, with reference to various matters bearing on British and foreign trade and industrial conditions. Presented to both Houses of Parliament by command of His Majesty.

London: Eyre and Spottiswoode, 1903-1905. 2 vols. and index. Folded sheets. F°. (*Great Britain. Parliament. Sessional papers*, 1903, Cd. 1761; 1904, Cd. 2337; 1905, Cd. 2669.)

CONTENTS.—Vol. 1. Value of exports to protected and unprotected markets of certain classes of British produce: Iron, steel, and other metals, etc., page 23; Quantities of iron and steel, wrought and unwrought, plates and sheets, rails, and thin plates and sheets, exported from United Kingdom to protected and unprotected markets, pp. 26-27; Value of the imports into the United Kingdom of articles manufactured or partly manufactured [including bar and pig iron, unwrought steel and iron and steel manufactures] from Germany, Belgium, Holland, France, Russia, Italy, and the United States, 74-95; Weekly rates of wages of iron founders 1874-1902, as recognized in the under-mentioned towns by trade unions, p. 265; Annual earnings of coal miners, iron miners and other miners in certain years from 1844 to 1901, expressed

as percentages of wages in 1900, (France), p. 279; Wages of workmen employed in Krupp's foundries, in certain years from 1850 to 1900, (Germany), p. 280; Wages of iron workers, from 1845 to 1900, expressed as percentages of the wages in 1900, (Belgium), p. 281; Wages of Bohemian miners, coal, lignite, and iron in each year from 1876 to 1900, expressed as percentages of the wages in 1900, (Austria), p. 283; Memorandum on the export policy of trusts in certain foreign countries. The German empire: Kartells of rolled wire manufacturers, and of the wire nail trade, etc., pp. 300-309; German and American iron and steel in the British market, 1900-1903, pp. 343-357; List of certain principal articles exported from foreign countries, the output or sale of which is, to a greater or less extent, understood to be controlled by trusts, kartells, syndicates, &c. (includes iron and steel, cast or wrought), p. 358; Table showing the number of persons in England and Wales occupied in iron and steel manufacture, pp. 362, 364, 369; Output of textiles and iron in the United Kingdom, p. 366; Chart showing the estimated annual consumption in the United Kingdom of pig iron, raw cotton & raw wool, the quantity of pig iron produced, and the growth of population during a series of years, p. 368; The present condition of the manufactured iron and steel trade in the North East of England, pp. 370-373; Statement giving in a summary form certain leading statistics bearing on the industrial condition of the United Kingdom, and of the following important commercial countries, viz.: Russia, United States of America, Austria-Hungary, France, Italy, Germany, and Belgium (including pig iron and production of steel), pp. 374-375; Statement showing the quantity of coal and of pig iron produced, and the quantity of pig iron consumed, in the United Kingdom 1851-1902, pp. 430-442. Vol. 2. The course of employment in recent years in the coal, iron and steel trades, pp. 85-86; Statistical tables, A. Percentage unemployed in trade unions. 1. Engineering, shipbuilding, and metal trades, p. 87; Chart, Series 1, to follow p. 98; Employment in coal, iron, and steel trades, pp. 94-96; Abstract of the proceedings of the German commission on kartells: Rhenish-Westphalian pig iron syndicate, pp. 411-413; Half-finished steel syndicate, pp. 413-416; The rolled wire and wire nail kartells, pp. 416-417; The wire kartells, pp. 417-418; The wire nail kartell, pp. 418-420; Tables appended to the evidence taken on the rolled wire and wire nail kartells, pp. 421-428; Iron founders—Weekly rates of wages, p. 579; Production and consumption of pig iron, p. 580, 584; Production of pig iron in Germany, France, and the United States, p. 589.

Great Britain. *Board of trade.* Iron and steel, 1905. Copy "of memorandum and statistical tables showing the production and consumption of iron ore and pig iron, and the production of steel, in the United Kingdom and the

principal foreign countries in recent years, and the imports and exports of certain classes of iron and steel manufactures (In continuation of Parliamentary paper, no. 296, of Session 1905).” Ordered, by the House of Commons, to be printed, 3 August 1906. 29 pp. F°. (*Great Britain. Parliament. Sessional papers, 1906.* 322.)

CONTENTS.—Memorandum; Statistical tables: Table I. Iron ore:—Statement showing for the years 1890 to 1905 inclusive, and for each of the undermentioned countries, the total output and consumption of iron ore, and the output and consumption per head of the population of each country: (a) United Kingdom, (b) Russian Empire (exclusive of Finland), (c) Sweden, (d) Germany (including Luxemburg), (e) Belgium, (f) France, (g) Spain, (h) Austria-Hungary, (i) United States. Table II. Pig iron:—Statement showing for the years 1890 to 1905 inclusive, and for each of the undermentioned countries, the total production and consumption of pig iron and the production and consumption per head of the population in each country: (a) United Kingdom, (b) Russian Empire (exclusive of Finland), (c) Sweden, (d) Germany (including Luxemburg), (e) Belgium, (f) France, (g) Spain, (h) Austria-Hungary, (i) United States. Table III. Steel:—Statement showing the total production of steel, and the production per head of the population, in the United Kingdom, Russia, Sweden, Germany and Luxemburg, Belgium, France, Spain and the United States in each of the years 1890 to 1905 inclusive: (a) Total production, (b) Production per head of the population. Table IV. Imports and exports:—Statement showing for each of the years 1900 to 1905 the quantities of the principal classes of iron and steel manufactures imported into, and exported from, each of the under-mentioned countries: (a) United Kingdom, (b) Germany, (c) France, (d) United States.

Appendix: Statement showing the production and exports of iron ores from certain British Colonies and Possessions and foreign countries not included in Table I, in each of the years 1901 to 1904 inclusive, so far as the figures are available.

Great Britain. *Home office.* Mines and quarries: general report and statistics for 1903. Presented to both Houses of Parliament by command of His Majesty.

London, 1904. 3 parts. Plates. Map. F°. (Great Britain. Parliament. Sessional papers, 1904. Cd. 2115, 2280, 2283.)

CONTENTS.—Part I. District statistics. Statistics of the persons employed, output, and accidents at mines and quarries in the United Kingdom, arranged according to the inspection districts. Part II. Labour. General report and statistics relating to persons employed and accidents at mines and

quarries in the United Kingdom, and to the enforcement of the mines and quarries acts. Part III. Output. General report and statistics relating to the output and value of the minerals raised in the United Kingdom, the amount and value of the metals produced, and the exports and imports of minerals.

Great Britain. *Tariff commission.* Report of the tariff commission. Vol. 1. The iron and steel trades, with appendix. London: P. S. King & son, 1904. 4°.

Among the contents the following are to be noted: Section II. Relative position of the British and foreign iron and steel trades, ¶ 17-40; Section III. The position of the British iron and steel trades with regard to (1) the home market (2) exports to foreign countries and British possessions, ¶ 41-44; Section IV. Experience of manufacturers, ¶ 45-46; Section V. Alleged causes of the relative decline of the British iron and steel industry, ¶ 47-54; Section VI. The export systems of foreign countries, ¶ 55-61; Section VII. Dumping, ¶ 62-75; Section VIII. The remedy, ¶ 76-85; Section XII. Memoranda: (a) Recent developments in the United States iron and steel industry, ¶ 94-123; (b) summary of evidence before the United States Industrial commission on the iron and steel industries, ¶ 124-131; (c) the organisation and working of German Kartells, ¶ 132-152; Section XIII. Foreign and colonial import duties, ¶ 153-154; Section XIV. Statistical tables: (a) Exports of iron and steel, manufactured and partly manufactured, showing principal countries of declared destination, ¶ 155-177; (b) imports of iron and steel, manufactured and partly manufactured, with principal countries of declared origin, ¶ 178-185; (c) imports of iron and steel into British colonies, ¶ 186-191; (d) exports from Germany, ¶ 192-193; (e) development of home and export trades, ¶ 194-196; (f) state of employment in the iron and steel trades, ¶ 197-200; Section XVI. Replies to forms of inquiry: (a) Imports competing with British products, ¶ 202-214; (b) sources of supply, ¶ 215-243; (c) foreign competition at home, ¶ 244-307; (d) foreign competition in neutral and protected markets, ¶ 308-359; (e) suggested reduction of foreign tariffs, ¶ 360-367; (f) loss of employment, ¶ 368-387; (g) differential railway and shipping rates, ¶ 388-401; (h) advantages of industrial combinations, ¶ 405-422; (i) remedial measures, ¶ 423-437; (j) effect and incidence of import duties, ¶ 438-470; (k) colonial preferential tariffs, ¶ 471-485.

Gutmann, Julius. Über den amerikanischen Stahltrust. Mit Berücksichtigung des deutschen Stahlwerksverbandes. Essen: G. D. Baedeker, 1906. 160 pp. 8°.

Not at present in the Library of Congress, has been ordered.

Hayes, John Lord. Memorial of the iron manufactures of New England, asking for a modification of the tariff of 1846. *Philadelphia: C. Sherman, printer, 1850. 39 pp. 8°.*

Hewitt, Abram Stevens. The production of iron and steel in its economic and social relations.

Washington: Government printing office, 1868. v, 138 pp. Folded plates. 8°. (U. S. Commission to the Paris exposition, 1867. Reports of the United States commissioners. [1868]-70, v. 2 [pt. 1].)

Holt, Byron W. Export prices to date.

Published by the Reform Club, Committee on tariff reform, New York, 1906. 16 pp. 8°. (Series 1906. No. 7, October 15, 1906.)

Contains tables of prices of articles mostly iron and steel products.

—— The steel trust both a prince and a pauper. 1902. 5 pp. 8°. (*United States. 57th Congress, 1st session. Senate document no. 436.*)

Iron and coal trade committee, Philadelphia. Letter [of a committee, appointed at a meeting of the Iron and coal trade, in Philadelphia] to the Hon. George Evans, against the repeal of the duty upon railway iron, imposed by the tariff act of 1842.

Philadelphia: J. Harding, 1844. 17 pp. 8°.

Isthmian canal commission. Report 1899-1901.

Washington: Government printing office, 1904. 688 pp. Diagrams. Plates. Maps. F°.

The Isthmian canal and the iron and steel industries of the United States, pp. 555-563.

Jeans, James Stephen. The British iron and steel industries; their conditions and outlook.

(*In Ashley, William J. British industries, pp. 2-37. London, New York, 1903. 12°.*)

—— The iron trade of Great Britain.

London: Methuen & co., 1906. vi, 227 pp. 8°. (Books on business.)

Jeidels, Otto. Das Verhältnis der deutschen Grossbanken zur Industrie mit besonderer Berücksichtigung der Eisenindustrie.

Leipzig: Duncker & Humblot, 1905. xii, 271, (1) pp. 8°.
(Staats- und sozialwissenschaftliche Forschungen, hrsg.
von G. Schmoller und M. Sering. 24. Bd., 2. Hft.)

Jevons, William Stanley. The coal question: an inquiry concerning the progress of the nation, and the probable exhaustion of our coal-mines. Ed. by A. W. Flux. 3d ed. rev.
London, New York: Macmillan and co., 1906. (4), 467 pp. Diagrams. 8°.

"Of the iron trade," pp. 368-409.

Kestner, Fritz i. e. Friedrich Julius Felix. Die deutschen Eisenzölle 1879-1900.
Leipzig: Dunker & Humblot, 1902. ix, 132 pp. Tables. 8°. *(Staats- und sozialwissenschaftliche Forschungen, hrsg. von G. Schmoller. 21. Bd., 3. Hft.)*

Kirchhoff, Charles W. H. Notes on some European iron making districts: a collection of letters to the Iron age.
[New York?: The Iron age?, 1900.] 113 pp. Illustrations. Maps. 8°.

Kollmann, Julius. Der Deutsche Stahlwerksverband. Eine wirtschaftliche Studie auf Grund eigener Wahrnehmungen.
Berlin: Pan-verlag, [1905]. 50 pp. 8°. (Moderne Zeitfragen . . . Nr. 7.)

Lenschau, Thomas. Die amerikanische Gefahr.
Berlin: Franz Siemenroth, 1902. (4), 58 pp. 8°.

Principally on the iron industry as threatened by the U. S. Steel trust.

Levy, Hermann. Die Stahlindustrie der Vereinigten Staaten von Amerika in ihren heutigen Produktions- und Absatz-Verhältnissen.
Berlin: J. Springer, 1905. viii, 364 pp. 8°.

"A sketch of the history of the iron industry is followed by an elaborate account of its present state, cost of production, the Steel Corporation, and especially the Steel Rail, Tin Plate, and Wire combinations. The author looks forward to an increase of the exports of crude iron and steel from the United States."

"A monograph dealing with the present condition of the American steel trade, written by the professor of political economy at the University of Halle. The subjects treated are: (1) The demand for steel in the United States, (2) the raw production, (a) the first stages of the modern development, (b) advances and reductions in cost during the past twenty-five years, (c) the cost of production at the

present time, (d) the conditions of remunerative working in pig-iron production, (e) the manufacture of steel ingots; (3) the manufacture of finished products, (a) heavy products, (b) rails, (c) structural material, (d) billets, (e) the wire industry, (f) the tin-plate industry; (4) the modern development of the steel industry and the export problem. In conclusion, the position of the European countries in regard to American competition is discussed, and arguments in favour of the free trade policy for England are adduced."

McPherson, John Bruce. Report of the Chamberlain tariff commission. Iron and steel trades.

(*In* National association of wool manufactures. Bulletin, vol. 34, Dec., 1904, pp. 309-329. Boston, 1904. 8°.)

Mansfield, Edward Deering. A letter in regard to the tariff on iron and labor.

Cincinnati: Wrightson & co., printers, 1869. 40 pp. 8°.

Martin, Rudolf. Die Eisenindustrie in ihrem Kampf um den Absatzmarkt. Eine studie über Schutzzölle und Kartelle.

Leipzig: Duncker & Humblot, 1904. viii, (2), 332 pp. 8°.

Meade, Edward Sherwood. The genesis of the United States steel corporation.

(*In* La Follette, Robert M. ed. The making of America, vol. 6, pp. 137-146. Chicago, 1906. 8°.)

Moritz, Eugen. Eisenindustrie, Zolltarif und Aussenhandel. Ein praktischer Beitrag zur Wirtschaftspolitik nach Informationen aus Industrie- und Exportkreisen.

Berlin: F. Siemenroth, 1902. (4), 74, (2) pp. 8°.

Nieden, Walter zur. Die Arbeiterverhältnisse der Eisen- und Stahlhütten-Industrie Grossbritanniens.

(*In* Jahrbuch für Gesetzgebung, Verwaltung und Volkswirtschaft, vol. 20, 1896, pp. 527-540; 897-929.)

Popplewell, Frank. Some modern conditions and recent developments in iron and steel production in America.

Manchester: At the university press, 1906. x, (2), 119, vi pp. 8°. (Publications of the University of Manchester. Economic series, no. 3.)

Rabius, Wilhelm. Der Aachener Hütten-Aktien-Verein in Rote Erde, 1846-1906. Die Entstehung und Entwicklung eines rheinischen Hüttenwerks.

Jena: G. Fischer, 1906. vii, 145 pp. Diagrams. 4°. (Volkswirtschaftliche und wirtschaftsgeschichtliche Abhandlungen, hrsg. von W. Stieda . . . Neue Folge. 8. Hft.)

"Literaturverzeichnis," pp. 144-145.

Rivière, G. L'industrie sidérurgique aux États-Unis.

(In Société des ingénieurs civils de France. Mémoires, Bulletin, Feb., 1906, pp. 317-396. Paris, 1906. 8°.)

"A statistical and descriptive review of the industry in America, with illustrations and plans of the principal plants."

Schwab, Charles M. The enterprises built up by Andrew Carnegie.

(In La Follette, Robert M. ed. The making of America, vol. 6, pp. 147-156. Chicago, 1906. 8°.)

Sering, Max. Geschichte der preussisch-deutschen Eisenzölle von 1818 bis zur Gegenwart.

Leipzig: Duncker & Humblot, 1882. xiv, 313, (1) pp. Tables. 8°. (Staats- und sozialwissenschaftliche Forschungen, hrsg. von Gustav Schmoller, 3. Bd. 4. Hft.)

Simmersbach, Oskar. Die Eisenindustrie.

Leipzig: Teubner, 1906. x, 322 pp. Illustrations. 8°. (Teubner's Handbuch für Handel und Gewerbe.)

Not at present in the Library of Congress; has been ordered.

Stillich, Oskar. Eisen- und Stahl-Industrie.

Berlin: Franz Siemenroth, 1904. xii, 238 pp. 8°. (Nationalökonomische Forschungen auf dem Gebiete der grossindustriellen Unternehmung. Bd. 1.)

Swank, James Moore. History of the manufacture of iron in all ages, and particularly in the United States for three hundred years, from 1585 to 1885.

Philadelphia: The author, 1884. vii, 428 pp. 8°.

—— History of the manufacture of iron in all ages, and particularly in the United States from colonial times to 1891. Also a short history of early coal mining in the United States. 2d ed., thoroughly rev. and greatly enlarged.

Philadelphia: The American iron and steel association, 1892. xiv, (1), 554 pp. 8°.

—— Introduction to a history of ironmaking and coal mining in Pennsylvania.

Philadelphia: Pub. by the author, 1878. 125 pp. 8°.

Swank, James Moore. The iron and steel industries of the United States. A series of statistical statements showing the production and prices of iron and steel for a long series of years.

Philadelphia: The American iron and steel association, 1891. 23 pp. 8°.

——— Iron and steel, iron ore, and coal statistics for the United States, Great Britain, Germany, France, and Belgium. Revised to the end of 1901.

Philadelphia: The American iron and steel association, 1902. 32 pp. 16°.

Todd, Albert M. Army fortifications bill—Shall the Government manufacture our munitions of war?—History of a national disgrace—The “Tales of the pirates” and “The forty thieves” revived—The opulent and greedy Carnegie Steel Company destroys the effectiveness of the American navy. Speech in the House of Representatives, Saturday, February 5, 1898.

(In Congressional Record, 55th Congress, 2d session, vol. 31, part 8, Appendix, pp. 169–172.)

United States. *Congress. House. Committee on merchant marine and fisheries.* Hearing, April 11, 1906. Statement of E. H. Gary, chairman of the Board of directors of the United States steel corporation.

[*Washington: Government printing office, 1906.*] 19 pp. 8°.

The quotations of prices of steel here given are discussed in the Commercial intelligence, vol. 16, Oct. 3, 1906, under the title: “The Stahlwerksverband controverts steel trust’s statements;” and also in the Iron age, vol. 78, Sept. 20, 1906.

——— *54th Congress, 2d session. Senate report no. 1453.* Prices of armor for vessels of the navy. Report from the Committee on naval affairs. February 11, 1897. xxxv, 464 pp. 8°.

——— *58th Congress, 3d session. House document no. 351.* Letter from the Secretary of the navy transmitting a letter from the Chief of ordnance in relation to contracts for armor plate. February 18, 1905. 30 pp. 8°.

——— *Armor factory board.* Report of the Armor factory board, with accompanying documents. December 7, 1897.—Referred to the Committee on naval affairs and ordered to be printed.

Washington: Government printing office, 1897. 23, (2), 95, (6) pp. Plates. 8°. (55th Congress, 2d session. House document no. 95)

United States. *Industrial commission.* Reports of the Industrial commission.

Washington: Government printing office, 1900-1902. 19 vols. Maps, Facsimiles, Tables, Diagrams. 8°.

CONTENTS.—Vol. 1. Iron and steel combinations. Digest of evidence, pp. 190-205; Testimony, pp. 943-1039; Vol. 7. Iron, steel, and machinery trades. Digest of evidence, pp. 152-160; For testimony, see Index of testimony, Vol. 7, pp. 1035-1036; Vol. 13. The Iron and steel combination. Digest of evidence, pp. xcv-cxii; Foreign and domestic prices of American products: Machinery and metal products, pp. 729-743; Costs and prices of iron and steel products, pp. 761-772; Securities of industrial corporations: The iron and steel group, pp. 918-922; Vol. 17. Collective bargaining, conciliation, and arbitration: Iron, steel and tin industries, pp. 339-347; Great Britain iron and steel, engineering, and shipbuilding trades, pp. 495-501; Vol. 19. Iron and steel statistics, pp. 214-216, 246-247; Progress of the iron and steel industry, pp. 505-510; Iron and steel exports, 566-568.

——— *Navy department.* Report of the Secretary of the Navy, on the actual cost of armor plate and the price for the same which should be equitably paid as directed by the act of June 10, 1896.

Washington: Government printing office, 1897. 2 parts. Folded plate. 8°. (54th Congress, 2d session. House doc. no. 151, pt. 1-2.)

United States steel corporation. Fifth annual report for the fiscal year ended December 31, 1906.

[New York, 1907.] 52 pp. 4°.

Vergleichende Ausfuhrstatistik für die Eisenindustrie.

(In Stahl und Eisen, 26. Jahrgang, May 15, 1906, pp. 622-625.)

Contains statistical tables covering the years 1900-1906 of the iron exports from Germany, England, Belgium, America, and for France, 1903-1905.

Wilgus, Horace La Fayette. A study of the United States steel corporation in its industrial and legal aspects.

Chicago: Callaghan & co., 1901. xiii, 222 pp. 8°.

IRON AND STEEL: ARTICLES IN PERIODICALS

1900. The American steel and wire company.
American monthly review of reviews, vol. 21 (June, 1900): 652.
1901. The steel combination.
Outlook, vol. 67 (Feb. 16, 1901): 373.
1901. An \$800,000,000 steel "trust."
American monthly review of reviews, vol. 23 (March, 1901): 278.
1901. Le grand trust de l'acier aux États-Unis. Pierre Leroy-Beaulieu.
L'Économiste français, 29. année, vol. 1 (March 9, 1901): 301-303.
1901. The billion dollar steel trust. Albert Shaw.
American monthly review of reviews, vol. 23 (April, 1901): 387-391.
1901. Billion dollar trust.
Chautauquan, vol. 33 (April, 1901): 3, 4.
1901. Il "trust" dell'acciaio negli Stati Uniti. Giorgio Bour-garel.
L'Italia coloniale, anno 2 (April, 1901): 44-47.
1901. The great steel combine and the tariff.
Protectionist, vol. 12 (April, 1901): 596-598.
1901. Labor and the steel combine.
Public opinion, vol. 30 (April 25, 1901): 519-520.
1901. Labor and the steel trust.
American monthly review of reviews, vol. 23 (May, 1901): 526-528.
1901. The steel trust in the Great Lakes. W. F. McClure.
American monthly review of reviews, vol. 23 (May, 1901): 560-566.

1901. The steel trust and its makers. Charles S. Glead.
Cosmopolitan, vol. 31 (May, 1901): 25.
1901. The billion-dollar corporation. George Gunton.
Gunton's magazine, vol. 20 (May, 1901): 421-424.
1901. An analysis of the steel trust. Richard T. Ely.
Cosmopolitan, vol. 31 (Aug., 1901): 428-431.
1901. Genesis of the United States steel corporation. Edward Sherwood Meade.
Quarterly journal of economics, vol. 15 (Aug., 1901): 517-550.
1901. What the United States steel corporation really is, and how it works. Ray Stannard Baker.
McClure's magazine, vol. 18 (Nov., 1901): 3-13.
1902. Capitalization of the United States steel corporation. Edward Sherwood Meade.
Quarterly journal of economics, vol. 16 (Feb., 1902): 214-232.
1902. Possibilities of a steel panic.
Scientific American, vol. 86 (Feb. 15, 1902): 102.
1902. Professor Meade on the steel company.
Nation, vol. 74 (Mar. 13, 1902): 204-205.
1902. The steel trust in a nutshell.
Outlook, vol. 71 (May 24, 1902): 194.
1902. Business . . . of the United States steel corporation.
Cassier's magazine, vol. 22 (June, 1902): 179.
1902. The report of the steel trust as an object-lesson for American voters.
Arena, vol. 28 (July, 1902): 90-94.
1902. Steel corporation's earnings.
Independent, vol. 54 (July 10, 1902): 1682.
1902. U. S. steel's \$4,000,000 wage increase.
Protectionist, vol. 14 (Aug., 1902): 206.
1902. Le trust de l'acier. J. Franconie.
Questions diplomatiques et coloniales, vol. 14 (Aug. 15, 1902): 201-212.

1902. L'United States steel corporation et l'industrie du fer aux États-Unis. Yves Guyot.
Journal des économistes, vol. 52 (Oct. 15, 1902): 23-36.
1902. The United States steel corporation not a monopoly. Authentic statistics . . .
Protectionist, vol. 14 (Oct., 1902): 326-328.
1902. The so-called steel trust. H. L. Nelson.
Century, vol. 65 (Dec., 1902): 302-316.
1903. Sharing steel trust profits.
Independent, vol. 55 (Jan. 8, 1903): 113.
1903. Coal and iron combinations in Germany. André E. Sayous.
Quarterly journal of economics, vol. 17 (Feb., 1903): 326-331.
1903. The United States steel corporation's profit-sharing plan. Arthur Goodrich.
World's work, vol. 5 (Feb., 1903): 3055-3058.
1903. The steel corporation points the way. Walter Wellman.
American monthly review of reviews, vol. 27 (March, 1903): 326-331.
1903. The United States steel bond conversion. H. L. Wilgus.
Quarterly journal of economics, vol. 17 (May, 1903): 501-504.
1903. Der Stahltrust. Hjalmar Schacht.
Preussische Jahrbücher, vol. 112 (June, 1903): 500-525.
1903. The United States steel corporation: its physical development and organisation. George Ethelbert Walsh.
Cassier's magazine, vol. 24 (Aug., 1903): 346-351.
1903. The story of the world's largest corporation. John Brisben Walker.
Cosmopolitan, vol. 35 (Oct., 1903): 685-695; vol. 36 (Nov., 1903): 120-128.
Review of Bridge's "History of the Carnegie Steel Company."
1903. La Società di Terni, il governo ed il "Trust" metallurgio. Edoardo Giretti.
Giornale degli economisti, 2d ser., vol. 27 (Oct., 1903): 309-364; (Nov., 1903): 422-459.

1903. Unternehmensverbände und Preise in der amerikanischen Eisenindustrie. L. Glier.
Preussische Jahrbücher, vol. 41 (Oct., 1903): 78-128.
1903. The United States steel corporation's bond conversion. Edward Sherwood Meade.
Quarterly journal of economics, vol. 18 (Nov., 1903): 22-53.
1904. Les trusts Américains, en particulier ceux de l'acier, du cuivre et du plomb. [Discussion.] André E. Sayous, Paul de Rousiers, N. C. Frederiksen, Martin Saint-Léon, Raphaël-Georges Lévy, Yves Guyot, and others.
Journal des économistes, 63, année (Mar. 15, 1904): 418-433.
1904. Les trusts Américains. Vue d'ensemble après des études spéciales sur la "Standard oil," l'"U. S. Steel corporation," l'"American smelting and refining co.," et l'"Amalgamated copper." André E. Sayous.
Revue d'économie politique, vol. 18 (Apr. 1, 1904): 309-324.
1904. La réglementation internationale des droits de douane sur les fers. Georg Gothein.
Revue économique internationale, vol. 2 (Aug., 1904): 483-527.
1904. La métallurgie française et l'entente internationale des aciéries.
Revue économique internationale, vol. 3 (Dec., 1904): 768-781.
1905. Der Stahlwerksverband. Eine wirtschaftliche Studie auf Grund eigener Wahrnehmungen. J. Kollmann.
Die Nation, vol. 22 (Jan., 1905): 280-282; (Feb. 4, 1905): 294-298; (Feb. 11, 1905): 312-314; (Feb. 18, 1905): 325-327; (Feb. 25, 1905): 344-345.
1905. Un trust international des rails d'acier. P. Sinceny.
Réforme économique, 14, année (July 9, 1905): 958.
1906. Die Stahlindustrie der Vereinigten Staaten von Amerika in ihren heutigen Produktions- und Absatzverhältnissen. Georg Gothein.
Die Nation, vol. 23 (Jan. 15, 1906): 230-233; (Feb. 10, 1906): 294-296.

Review of Hermann Levy's book with the same title.

1906. United States steel corporation.
The Statist, vol. 57 (Feb. 24, 1906): 346-348.
1906. Our German letter: government report on the Kartels: the German steel trust's activities.
Commercial intelligence, vol. 15 (April 25, 1906): 11.
1906. The romance of steel and iron in America, the story of a thousand millionaires. Herbert N. Casson.
Munsey's magazine, vol. 35 (Apr., 1906): 3-22; (May, 1906): 148-167; (June, 1906): 312-332; (July, 1906): 438-460; (Aug., 1906): 574-594; (Sept., 1906): 718-736; vol. 36 (Oct., 1906): 72-94; (Nov. 1906): 222-230; (Dec., 1906): 307-315; (Jan., 1907): 477-488; (Feb., 1907): 631-646; (Mar., 1907): 755-767; vol. 37 (Apr., 1907): 77-81.
1906. Domestic and export prices of steel. The steel trust's evidence.
Commercial intelligence, vol. 15 (May 2, 1906): 15.
1906. The U. S. steel trust's policy.
Commercial intelligence, vol. 15 (May 9, 1906): 5-6.
1906. The German steel syndicate. Francis Walker.
Quarterly journal of economics, vol. 20 (May, 1906): 353-398.
1906. Les deux Krupp et leur œuvre. L. Katzenstein.
Revue économique internationale, 3. année, vol. 2 (May 15-20, 1906): 322-346.
1906. The improving iron trade.
The Statist, vol. 57 (May 26, 1906): 997-998.
1906. Industrial combinations abroad: the German steel syndicate.
Commercial & financial chronicle, vol. 82 (June 9, 1906): 1297-1299.
1906. Sheffield steel. John Mastin.
Magazine of commerce, vol. 8 (June, 1906): 420-427.
1906. Iron ore supplies and the steel trade.
The Statist, vol. 57 (June 23, 1906): 1189-1190.
1906. The United States steel corporation. John P. Ryan.
Van Norden's magazine, vol. 1 (July, 1906): 33-38; (Aug., 1906): 37-42.

1906. The resumption of dividends by the steel corporation.
Commercial & financial chronicle, col. 83 (Aug. 4, 1906):
241-242.
1906. United States steel corporation.
The Statist, col. 58 (Aug. 4, 1906): 197-199.
1906. Our German letter: the steel trust's annual report: the
labour market: proposed customs union between Hol-
land and Belgium.
Commercial intelligence, col. 16 (Sept. 5, 1906): 12.
1906. The German steel syndicate.
Iron age, col. 78 (Sept. 20, 1906): 738-739.
1906. The Stahlwerks-Verband on Judge Gary's testimony before
the Committee on Merchant marine and fisheries. Aug. 22,
1906.
Iron age, col. 78 (Sept. 20, 1906): 744.
1906. The growth of "steel." John P. Ryan.
Van Norden's magazine, col. 1 (Sept., 1906): 11-17.
1906. The Stahlwerksverband controverts steel trust's statements.
Commercial intelligence, col. 16 (Oct. 3, 1906): 15.
Disputes Judge Gary's testimony given before the Committee
on Merchant Marine and Fisheries, regarding prices of steel.
1906. The International steel syndicate: will it break up?
Commercial intelligence, col. 16 (Oct. 17, 1906): 11.
1906. The British iron and steel trade.
Economic review, col. 16 (Oct., 1906): 446-451.
1906. Our American notebook: The achievements of the steel trust.
Commercial intelligence, col. 16 (Nov. 17, 1906): 15.
1907. A review of Germany's position in the iron and steel indus-
tries.
Commercial intelligence, col. 17 (Jan. 9 1907): 11; (Jan. 16,
1907): 11.
1907. Fluctuations in the prices of iron and steel products, 1898-
1906.
Iron age, col. 79 (Jan. 10, 1907): 138.
1907. Italiens Eisenindustrie. H. Wedding.
Stahl und Eisen, 27. Jahrgang (Jan. 2, 1907): 13-19.

1907. Enormous coal trust formed in Germany.

Commercial intelligence, vol. 17 (Feb. 13, 1907) : 12.

Tells of rumor of fusion that "would mean a possible, or probable, loss of $9\frac{1}{2}$ million tons more to the Coal Syndicate yearly and one of 800,000 tons to the Stahlwerksverband; and a new trust would be formed with a capital of about 178 million marks (£8,900,000)."

1907. The United States steel report.

Commercial and financial chronicle, vol. 84 (Mar. 16, 1907) : 597-600.

1907. The United States steel corporation's annual report: largest gross and net earnings in its history.

Iron age, vol. 79 (Mar. 21, 1907) : 902-906.

AUTHOR INDEX.

	Page.		Page.
Baker, William Elliott Smith.....	5	Katzenstein, L.....	22
Baker, Ray Stannard.....	19	Kestner, Friedrich Julius Felix....	13
Beck, Ludwig.....	5	Kirchhoff, Charles W. H.....	13
Bell, Sir Lowthian.....	5	Kollmann, Julius.....	13, 21
Blake, William Phipps.....	5	Lenschau, Thomas.....	13
Bourgarel, Giorgio.....	18	Leroy-Beaulieu, Pierre.....	18
Brassey, Lord.....	6	Levy, Hermann.....	13
Bridge, James Howard.....	5	Lévy, Raphaël-Georges.....	21
Brough, Bennett H.....	6	McClure, W. F.....	18
Campbell, Harry H.....	6	McPherson, John Bruce.....	14
Carnegie, Andrew.....	6	Mansfield, Edward Deering.....	14
Casson, Herbert N.....	6, 22	Martin, Rudolf.....	14
Chapman, Sydney John.....	6	Martin, Saint-Léon.....	21
Crocker, Alvah.....	7	Mastin, John.....	22
Ely, Richard T.....	19	Meade, Edward Sherwood.....	14, 19, 21
Farquhar, Arthur B.....	7	Moritz, Eugen.....	14
Fawcett, Waldon.....	7	Nelson, H. L.....	20
Fleming, Robert.....	7	Nieden, Walter zur.....	14
Flux, A. W.....	13	Popplewell, Frank.....	14
Franconie, J.....	19	Rabius, Wilhelm.....	14
Frederiksen, N. C.....	21	Rivière, G.....	15
Gary, E. H.....	16	Ronsiers, Paul de.....	21
Germany:		Ryan, John P.....	22, 23
<i>Eisen-Euquete-Kommission</i>	7	Sayous, André E.....	20, 21
<i>Recichant des Inern</i>	7	Schacht, Hjalmar.....	20
Giretti, Edoardo.....	20	Schwab, Charles M.....	15
Gleed, Charles S.....	8, 19	Sering, Max.....	15
Glier, L.....	21	Shaw, Albert.....	18
Goodrich, Arthur.....	20	Simmersbach, Oskar.....	15
Gothein, Georg.....	21	Sinceny, P.....	21
Gray, William G.....	8	Stillich, Oskar.....	15
Great Britain:		Swank, James Moore.....	15, 16
<i>Board of trade</i>	8, 9	Todd, Albert M.....	16
<i>Home office</i>	10	United States:	
<i>Tariff commission</i>	11	<i>Congress</i>	16
Gunton, George.....	19	<i>Armor factory board</i>	16
Gutmann, Julius.....	11	<i>Industrial commission</i>	17
Guyot, Yves.....	20, 21	<i>Navy department</i>	17
Hayes, John Lord.....	12	Walker, Francis.....	22
Hewitt, Abram Stevens.....	12	Walker, John Brisbane.....	20
Holt, Byron W.....	12	Walsh, George Ethelbert.....	20
Jeans, James Stephen.....	6, 12	Wedding, H.....	23
Jeidels, Otto.....	12	Wellmann, Walter.....	20
Jevons, William Stanley.....	13	Wilgus, Horace La Fayette.....	17, 20

UNIVERSITY OF CALIFORNIA LIBRARY
Los Angeles

This book is DUE on the last date stamped below.

Form L9-40m-7,'56 (C790s4) 444

0505

U.S. Library
of Congress. Divi-
sion of biblio-
graphy - Select
list of books, with



